

**SUB CARRIER ASSIGNMENT METHOD FOR WIRELESS COMMUNICATION SYSTEM**

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## Abstract of JP 2001238269 (A)

PROBLEM TO BE SOLVED: To provide a subcarrier assignment method for a wireless communication

system by which a subcarrier providing a

deterministic reception state having a degradation in

the transmission efficiency to a concerned wireless

station cannot be assigned thereto. SOLUTION: The

method of this invention comprises a 1st step where

a base station transmits reference signals consisting

of subcarriers with an equal level to wireless stations

at the same time, a 2nd step where the wireless

stations inform the base station about the reception

state by the subcarrier of each reference signal, and

a 3rd step where the base station makes

communications with destination wireless stations by

means of packets in the transmission sequence

depending on the reception state of each

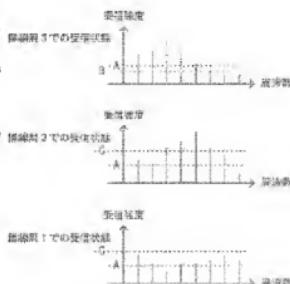
subcarrier.; In the 2nd step, a 1st threshold A with

respect to the reception strength is set, and a binary

bit is used to express the reception state, setting the

reception strength of the threshold A or over and

having the reception strength smaller than the

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